

IN THE CLAIMS

- Sub B'
1. (Currently Amended) A method for developing a graphical device management application comprising:
- creating a graphical component ~~using~~ with a graphical programming language;
 - associating the graphical component with a device configuration command;
 - linking the associated graphical component with a console user interface (CUI) and a configuration kernel (CK), the CUI and CK having code ~~for configuring to~~ configure a remote device according to the device configuration command; and
 - building a graphical user interface (GUI) from the linked graphical component, the CUI and the CK, to reflect a state of the CK as communicated by the CUI.
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2. (Original) The method of claim 1 wherein associating the graphical component with a device configuration command is performed using a macro.
3. (Original) The method of claim 1 wherein creating a graphical component comprises adding a control to a dialog.
4. (Original) The method of claim 1 wherein building a GUI comprises compiling the linked graphical component, the CUI and the CK on a general purpose computer system

5. (Original) The method of claim 1 wherein building a GUI comprises interpreting the linked graphical component, the CUI and the CK on a general purpose computer system.

6. (Currently Amended) An apparatus comprising:
a configuration kernel (CK) having code ~~for configuring~~ to configure a device from a configuration;
a console user interface (CUI) having code ~~for updating~~ to update the configuration;
a graphical user interface (GUI) having code ~~for receiving~~ to receive an update to the configuration in response to a user action; and
a communications mechanism ~~for communicating~~ to communicate the received update from the GUI to the CUI, ~~for communicating~~ communicate the updated configuration from the CUI to the CK, and ~~for communicating~~ communicate the ~~device~~ updated configuration from the CK to the CUI and from the CUI to the GUI, in order to reflect a state of the CK as communicated by the CUI.

7. (Currently Amended) The apparatus of claim 6 wherein the code ~~for configuring a~~ to configure the device comprises at least one of a variable, a data structure and a function.

8. (Currently Amended) The apparatus of claim 6 wherein the code ~~for configuring a~~ to configure the device resides in a library linked to the CUI and the GUI.

9. (Currently Amended) The apparatus of claim 6 wherein the code for ~~updating to update~~ the configuration comprises at least one command of a command set.

10. (Currently Amended) The apparatus of claim 6 wherein the code for ~~updating to update~~ the configuration resides in a library linked to the CUI and the GUI.

11. (Currently Amended) The apparatus of claim 6 wherein the code for ~~configuring to configure~~ a device is a reusable firmware, the reusable firmware having been originally coded for operation on the device.

12. (Currently Amended) The apparatus of claim 6 wherein the code for ~~updating to update~~ the configuration is a reusable firmware, the reusable firmware having been originally coded for operation on the device.

13. (Currently Amended) A computer-readable medium comprising computer-executable instructions for performing:

- creating a graphical component ~~using with~~ a graphical programming language;
- associating the graphical component with a device configuration command;
- linking the associated graphical component with a console user interface (CUI) and a configuration kernel (CK), the CUI and CK having code for ~~configuring to configure~~ a remote device according to the device configuration command; and
- building a graphical user interface (GUI) from the linked graphical component, the CUI and the CK, to reflect a state of the CK as communicated by the CUI.

14. (Original) The computer-readable medium of claim 13 further comprising computer-executable instructions for performing associating the graphical component with a device configuration command using a macro.

15. (Original) The computer-readable medium of claim 13 further comprising computer-executable instructions for performing compiling the linked graphical component, the CUI and the CK on a general purpose computer system.

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16. (Original) The computer-readable medium of claim 13 further comprising computer-executable instructions for performing interpreting the linked graphical component, the CUI and the CK on a general purpose computer system.

17. (Currently Amended) A method of configuring a networked device using a workstation comprising:

identifying a registered command that matches a configuration command, wherein the configuration command describes a state of a configuration kernel for the networked device, and the registered command identifies a graphical component associated with the configuration command;

initializing, as a result of identifying the match, a the graphical component associated with a configuration command to a corresponding state of a the configuration kernel for a remote networked device;

displaying on a window of a remote workstation, the initialized graphical component;

receiving an update to the configuration command from a user action on the associated graphical component;

passing the updated configuration command to a virtual console; and

updating by the virtual console the state of the configuration kernel with the passed updated configuration command.

AS 18. (Currently Amended) The method of claim 17 further comprising:

determining whether the updated configuration command is interdependent with a second configuration command, and if so refreshing the graphical component associated with the second configuration command to reflect the updated state of the configuration kernel.

19. (Original) The method of claim 17 further comprising:

uploading the updated state of the configuration kernel to the remote networked device.

Sub B 20. (New) The method of claim 1, wherein building the GUI from the linked graphical component, the CUI and the CK, to reflect the state of the CK as communicated by the CUI, comprises:

interrogating the CUI for a list of configuration commands that describe the state of the CK;

comparing a configuration command to a register of commands that identifies an associated graphical component for each configuration command, wherein the

configuration command describes the state of the CK for the remote device, and the registered command identifies a graphical component associated with the configuration command;

identifying the registered command that matches the configuration command; and
initializing, as a result of identifying the match, the graphical component to a corresponding state of the CK.

21. (New) The computer-readable medium of claim 13, wherein the computer-executable instructions for performing building the GUI from the linked graphical component, the CUI and the CK, to reflect the state of the CK as communicated by the CUI, comprise computer-executable instructions for performing:

interrogating the CUI for a list of configuration commands that describe the state of the CK;

comparing a configuration command to a register of commands that identifies an associated graphical component for each configuration command, wherein the configuration command describes the state of the CK for the remote device, and the registered command identifies a graphical component associated with the configuration command;

identifying the registered command that matches the configuration command; and
initializing, as a result of identifying the match, the graphical component to a corresponding state of the CK.